BR - 47

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. ~~First & Final~~ R/A II 22-5-2017 567101

Name of Work Construction of culverts at Soundarya layout, Vishveshwaraiah layout, Maruthi nagara, Defence colony and Vijayalakshmi layout Bagalagunte Ward no: 14 From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Est. Cost: Rs 20,00,000/-						
	Job code No: 014-17-000027, Pcode-3173						
	AS No: CE/DL/AS/115/16-17, Date: 07-02-2017						
	TS No: EE/DD/TS/130/16-17 Dt: 14-02-2017						
	Agency name: Sri. K. Jagadish						
	Work order No: EE/DD/WO/16/17-18 Dt: 07-04-17						
	Date of completion: 20-5-2018						
	① Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 0.45m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per the directions of clerk complete as per the directions of engineer incharge of the work.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Qty wide pre measurement ref TMB page no: 567170/2					
		148.00 m³ @ Rs 76.45/cum				Rs 15137.00	
(2)	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC Cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates (A) 0.85cum and fine aggregates (A) 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, hire of machinery, curing complete as per specifications, complete as per the direction of Engineer-in-charge of the work						
		Qty wide pre measurement ref TMB page no: 567171					
		29.70 m³ @ Rs 4537.36/cum				Rs 134759.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

567102

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(3)	Providing and constructing granite/trap/basalt size stone masonry in foundation in cement mortar 1:6, Stone hammered dressed in courses not less than 20 cms high. Bond stones at 1.00 m apart in each course including cost of materials, labour, curing including cost of materials, labour, curing complete as per specifications complete as per the direction of Engineer-in-charge of the work						
		Qty wide pre-measurement ref TMB page no: 567177					
		112.05 m³ @ Rs 3903.41/cum				Rs 437377.00	
(4)	Providing raked pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials labour, curing complete as per Specifications Completed as per the direction of Engineer-						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	in-charge of the work.						
		Qty wide pre-measurement ref TMR page No: 567173					
		108.00 m² @ Rs 91.36/sqm				Rs 9864.00	
(5)	Providing and removing centering, Shuttering, struting, Propping etc.. and removal of forms work for vertical surface such as walls of any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labours complete as per specifications complete as per the direction of Engineer-in-charge of the work						
		Qty wide pre-measurement ref TMR page No: 567173/2					
		90.00 m² @ Rs 273.16/sqm				Rs 24584.00	

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No. B

567103

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(6)	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs with 20mm and down size graded granite metal coarse aggregate @ 0.84 cum and fine aggregate @ 0.56 cum machine mixed concrete laid in layers not exceeding 15 cms thick, well consated, in foundation & plinth, including cost of all materials, labours, Hire of machinery, curing complete as per, complete as per the direction of Engineer-in-charge of the work						
		Qty wide pre-measurement ref TMR page No: 567172/2					
		8.10 m² @ Rs 4924.25/cum				Rs 39886.00	
(7)	Providing and laying in position plain cement concrete of mix M1:2:4 with						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(A) 240 kgs. with 20mm and down size graded granite metal coarse aggregate (B) 0.69 cum and fine aggregate (C) 0.4 cum, machine mixed, concrete laid in layers not exceeding 15cms. Thick, well compacted in foundation and plinth, including cost of all materials, labour, Hire of machinery, curing complete as per specifications. complete as per the direction of Engineer-in-charge of the work.						
	Qty wide pre measurement ref TMB page no: 56778/2						
	102.90 m³ (A) Rs 5072.48 /cum					Rs 552393.00	
(2)	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and for welding wherever required, tying with binding wire and anchoring to the adjoi-						

S.D.O. S.E. (D.D.)

M. A. R. 57 (Rule 116)
Measurement Book

No. B

567104

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ing members wherever necessary complete as per design clips and wastage shall not be measured and paid) cost of materials, labour, Hire of machinery complete as per specification for TMT Bars Fe 500 Complete as per the direction of Engineer-in-charge of the work.						
	Qty wide pre measurement ref TMB page no: 56775/2						
	9.80 ton (A) Rs 52253.73/tone					Rs 512028.00	
(9)	Disposal of debris to the final place of disposal with all lead and lift and as directed by the engineer in charge of the work, lead 4 km a) Basic rate for haulage of materials as per item No. 17.4 (KSRRB: M100.4.1.... Rs 2.00 Tonne/km b)						

S.D.O.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	average earth ~~of~~ work 1.28 Tonne/km for Rs. 2.00/km c) Add loading and unloading complete as per the direction of Engineer-in-charge of the work						
	Qty wide ~~Premeasurement not def~~						
	~~TMB payment~~ item no = (1)						
	198.00 M^3 @ Rs 71.06/cum					Rs 14070.00	
						Total Rs 1730291.00	
						17 40161 = 00	

21/8/17

20/5/2017

M. A. R. 57 (Rule 116)
Measurement Book

No. B 567105

Serial No. .....
Name of Work .....
Name of Contra ...ture of Agency .....
Date of commencement of work .....

Audited and admitted for Rs. 17 40161 -00 From ..... To .....
Passed by Chief ... 16 12258 -00

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificates		12+10.3	2.0	2.0		
	* Work done is satisfactorily ~~done~~						
	* All debris clearence from the work spot using contractor own vehicle						
	* There are no departmental issues for made to the above work						

Executive Engineer

20/5/2017

21/8/17

(K. Jagadish)